

Cryptography

Past, Present and Future

Imad Fakhri Taha Al Shaikhli

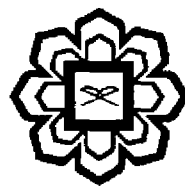


IIUM PRESS

INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

Cryptography: Past, Present and Future

Imad Fakhri Taha Al Shaikhli



IIUM Press

Published by:
IIUM Press
International Islamic University Malaysia

First Edition, 2011

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Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Imad Fakhri Taha Al-Shaikhli
Cryptography: Past, Present and Future
Imad Fakhri Taha Al-Shaikhli

ISBN: 978-967-418-091-1

Member of Majlis Penerbitan Ilmiah Malaysia – MAPIM
(Malaysian Scholarly Publishing Council)

Printed by :
IIUM PRINTING SDN. BHD.
No. 1, Jalan Industri Batu Caves 1/3
Taman Perindustrian Batu Caves
Batu Caves Centre Point
68100 Batu Caves
Selangor Darul Ehsan

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2. Monoalphabetic Substitution Cipher

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ABSTRACT

In this article we will talk about the history of monoalphabetic substitution cipher and how the people were encrypt the plaintext and decrypt the cipher text using that cipher. Also we will introduce into Simple Substitution Cipher and Keyword Cipher.

BACKGROUND

The history of monoalphabetic substitution cipher perhaps started around 500 to 600 BC when it being used by Hebrew scholars and one of the early devices is a Scytale. Followed by an Arab mathematician around AD 800, probably religiously motivated textual analysis of the Qur'an which led to the invention of frequency analysis technique breaking monoalphabetic substitution ciphers. Monoalphabetic substitution cipher has several types of cipher including Caesar cipher. Other types are Atbash cipher, Keyword cipher, Masonic cipher and Polybius cipher ("Codes and Ciphers :: Keyword Cipher ",1999-2010).Briefly explained, Atbash cipher is substitution where the alphabet places are reversed. A become Z and so on. Continue with Masonic cipher which is cipher that exchanged letter with symbols and this cipher is used in early 1700s. Then. The Ancient Greek historian Polybius (203-120 BC), is